Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

Quantitation Report (Not Reviewed)

Data File : VL033757.D
Acq On : 22 May 2019 23:24
Operator : SY/AP
Sample : K2929-04 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3005-55DL

Quant Time: May 23 04:26:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.75	49	998795	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2442826	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.23	117	2452240	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.56	95	1994592	10.03	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	12372	0.059	ppbv		100
3) Chlorodifluoromethane	2.99	51	11955	0.104	ppbv	#	76
4) Chloromethane	3.17	50	1648	0.025	ppbv	#	70
5) Vinyl Chloride	3.05	62	1820	0.027	ppbv	#	42
9) Propene	3.03	41	717691	14.748	ppbv		92
10) Heptane	8.24	43	11280	0.082	ppbv	#	15
11) Trichlorofluoromethane	3.99	101	17232	0.086	ppbv		91
13) Ethanol	3.64	45	144996	9.219	ppbv		98
15) Acetone	3.89	43	1492514	10.770	ppbv		92
16) 1,3-Butadiene	3.34	39	365938	6.631	ppbv	#	25
17) tert-Butyl alcohol	4.36	59	43271	0.386	ppbv	#	94
19) Isopropyl Alcohol	4.03	45	41694	0.467	ppbv	#	94
20) Methylene Chloride	4.40	84	11884	0.223	ppbv	#	76
21) Allyl Chloride	4.45	41	2283	0.026	ppbv	#	1
23) Vinyl Acetate	5.15	43	4383	0.024	ppbv	#	46
25) Ethyl Acetate	5.76	43	255698	1.050	ppbv	#	93
26) Hexane	5.77	57	38969	0.372	ppbv	#	1
27) Carbon Disulfide	4.61	76	23949	0.167	ppbv	#	75
29) Chloroform	5.84	83	8179	0.042	ppbv		89
30) Cyclohexane	7.24	84	1890	0.021	ppbv	#	1
31) cis-1,2-Dichloroethene	5.76	61	29901	0.288	ppbv	#	29
34) 2-Butanone	5.32	43	271962	1.796	ppbv		99
36) Benzene	6.99	78	45057	0.203	ppbv		95
39) 1,2-Dichloropropane	7.28	63	618417	7.465	ppbv	#	22
53) Toluene	9.93	91	327668	1.367	ppbv		98
58) Ethyl Benzene	12.84	91	7918	0.024	ppbv		96
59) m/p-Xylene	13.14	91	12447	0.044	ppbv	#	31
60) o-Xylene	13.84	91	12429	0.043	ppbv	#	50
72) 4-Ethyltoluene	15.98	105	3302	0.010	ppbv	#	70
74) 1,2,4-Trimethylbenzene	16.91	105	3965	0.011	ppbv	#	49

(#) = qualifier out of range (m) = manual integration (+) = signals summed

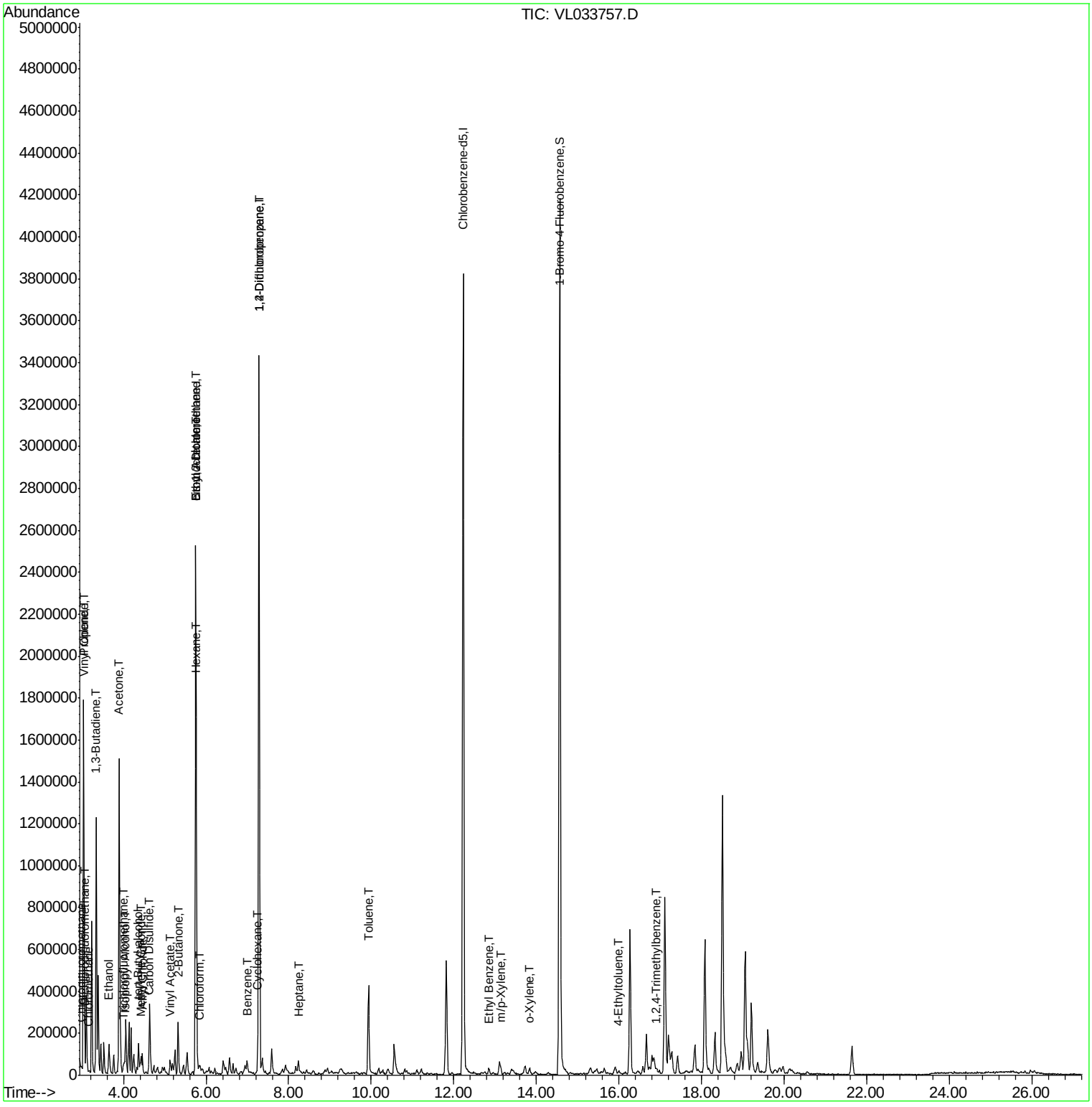
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052219\

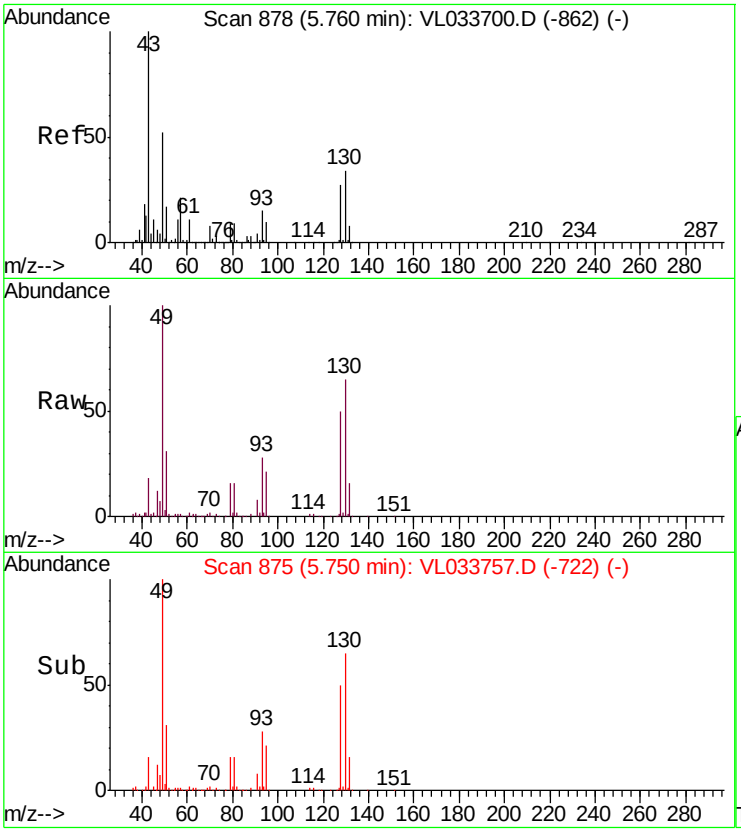
Quantitation Report (Not Reviewed)

Data File : VL033757.D
Acq On : 22 May 2019 23:24
Operator : SY/AP
Sample : K2929-04 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3005-55DL

Quant Time: May 23 04:26:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



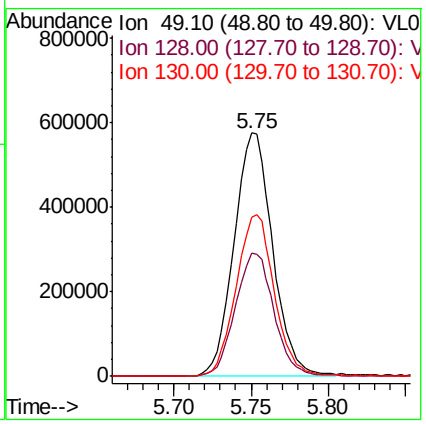


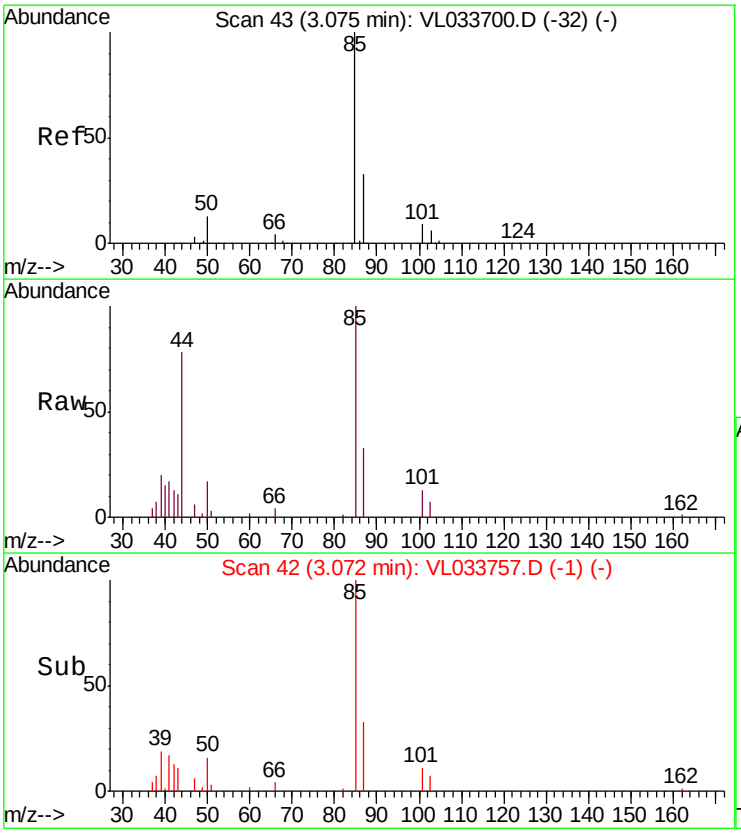
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 49 Resp: 998795

Ion	Ratio	Lower	Upper
49	100		
128	51.1	25.2	75.6
130	66.5	32.5	97.5

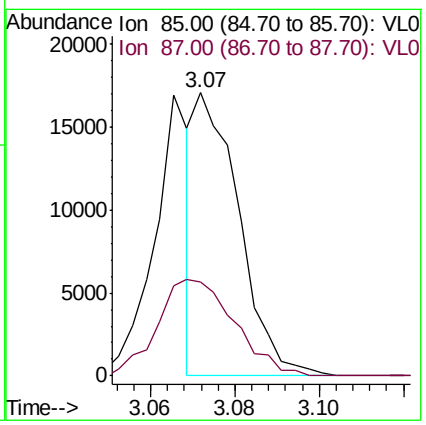


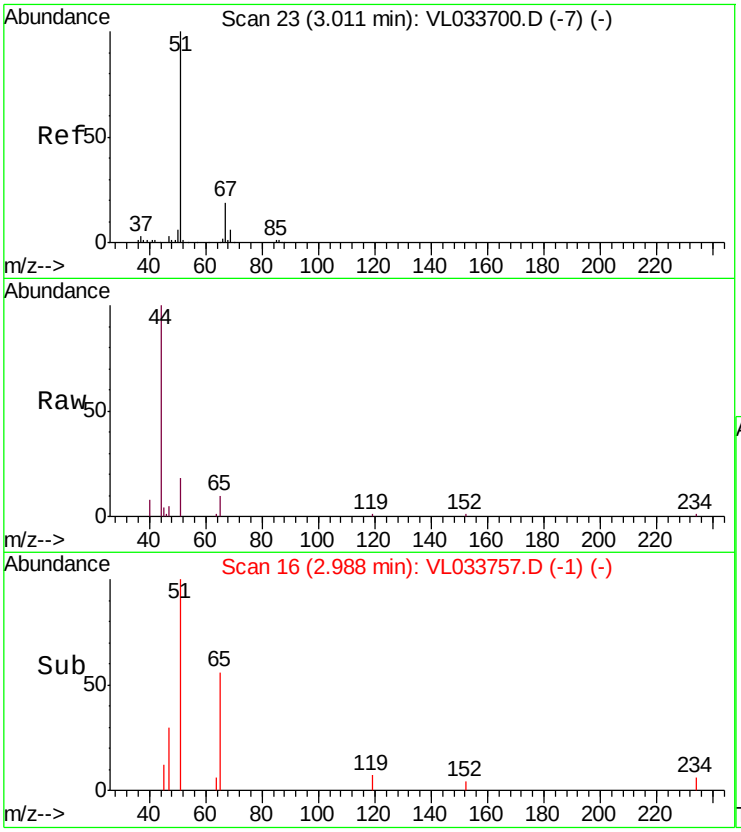


#2
Dichlorodifluoromethane
Concen: 0.059 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 85 Resp: 12372

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.3	39.5



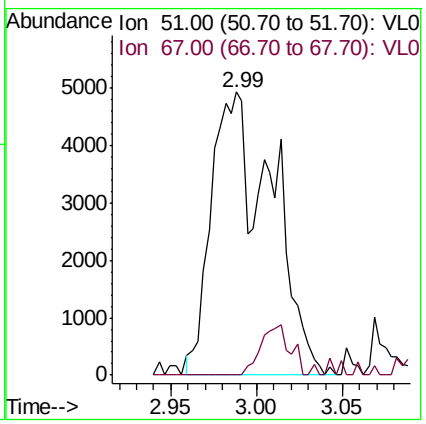


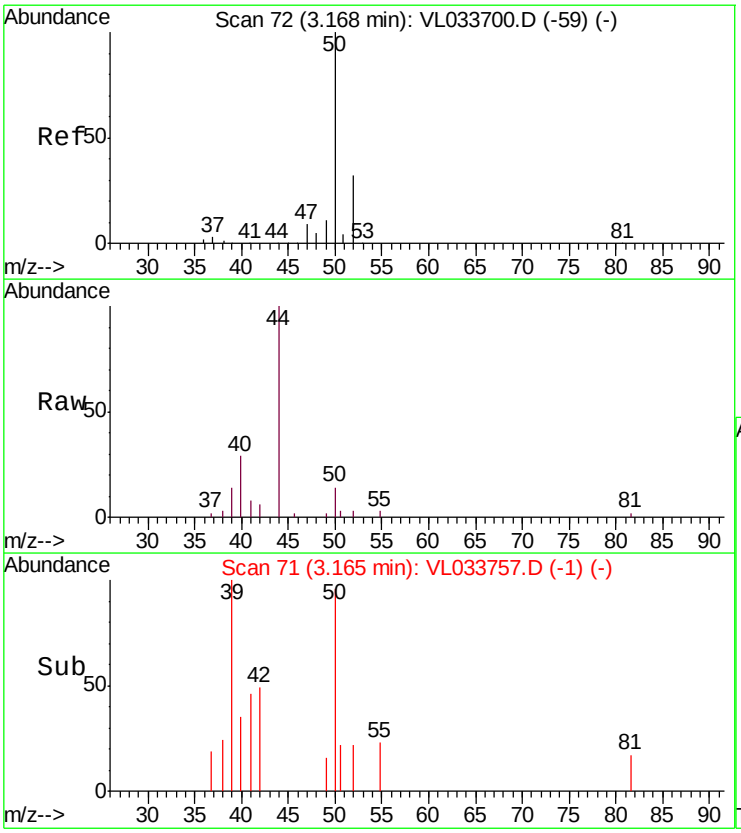
#3
Chlorodifluoromethane
Concen: 0.104 ppbv
RT: 2.99 min Scan# 16
Delta R.T. -0.02 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 51 Resp: 11955

Ion	Ratio	Lower	Upper
51	100		
67	8.8	15.6	23.4#

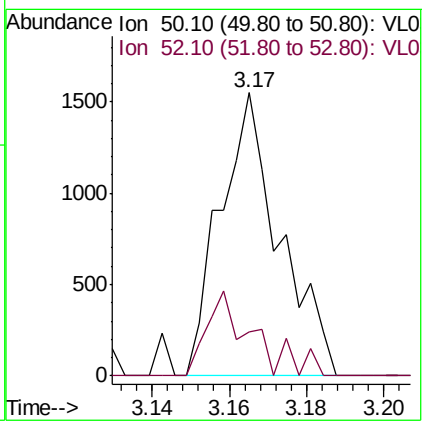


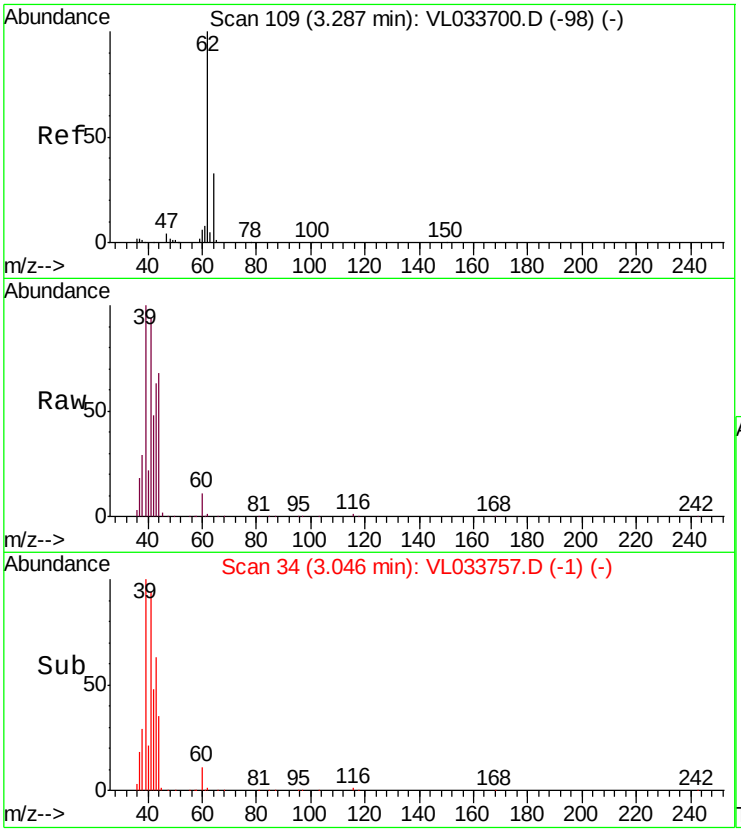


#4
Chloromethane
Concen: 0.025 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 50 Resp: 1648

Ion	Ratio	Lower	Upper
50	100		
52	15.5	25.7	38.5#



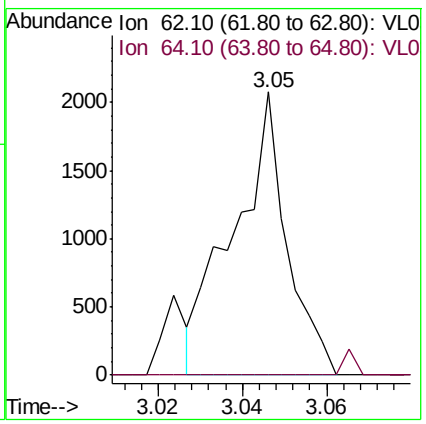


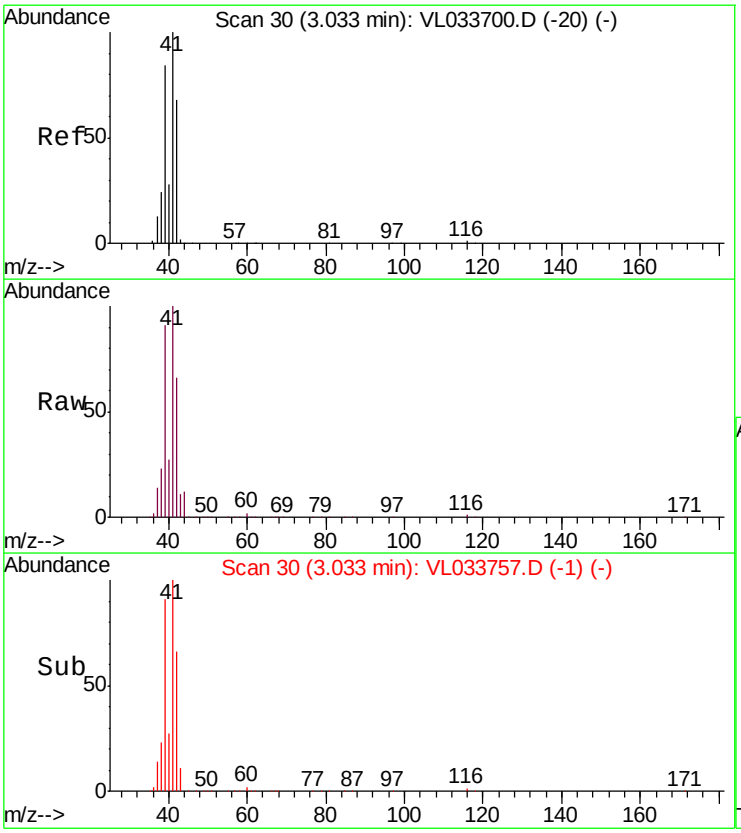
#5
Vinyl Chloride
Concen: 0.027 ppbv
RT: 3.05 min Scan# 34
Delta R.T. -0.24 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 62 Resp: 1820

Ion	Ratio	Lower	Upper
62	100		
64	0.0	26.4	39.6#

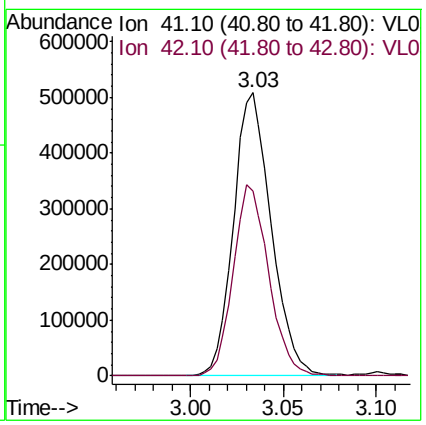


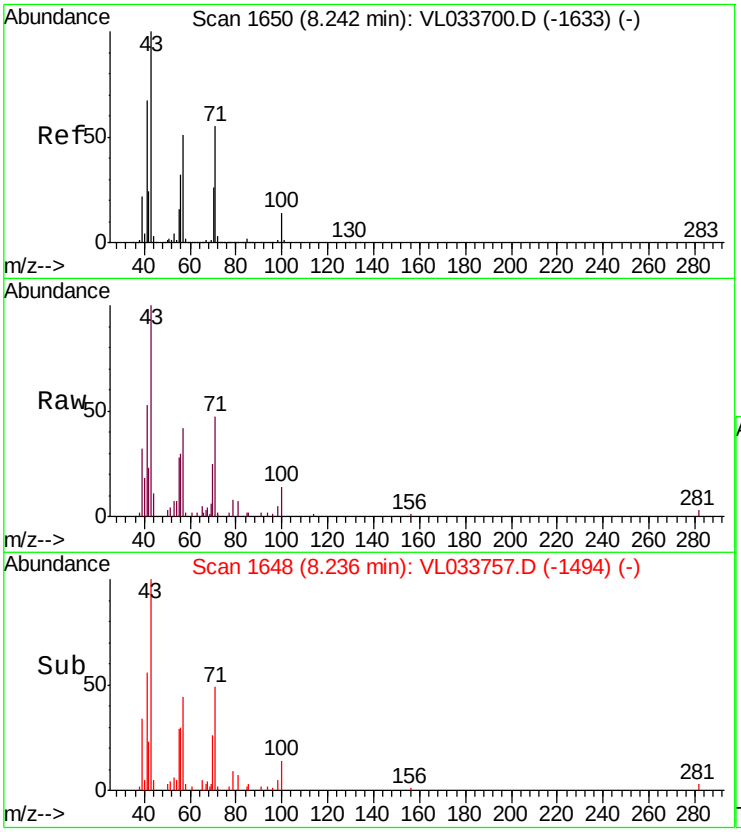


#9
Propene
Concen: 14.748 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 41 Resp: 717691

Ion	Ratio	Lower	Upper
41	100		
42	63.8	56.1	84.1



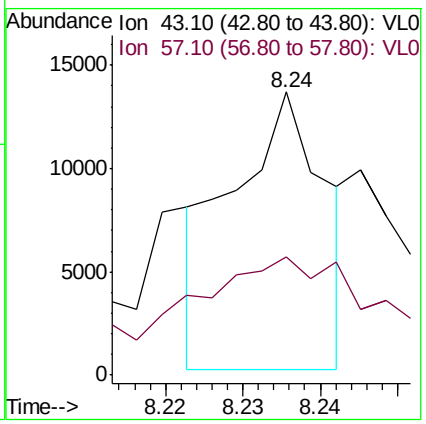


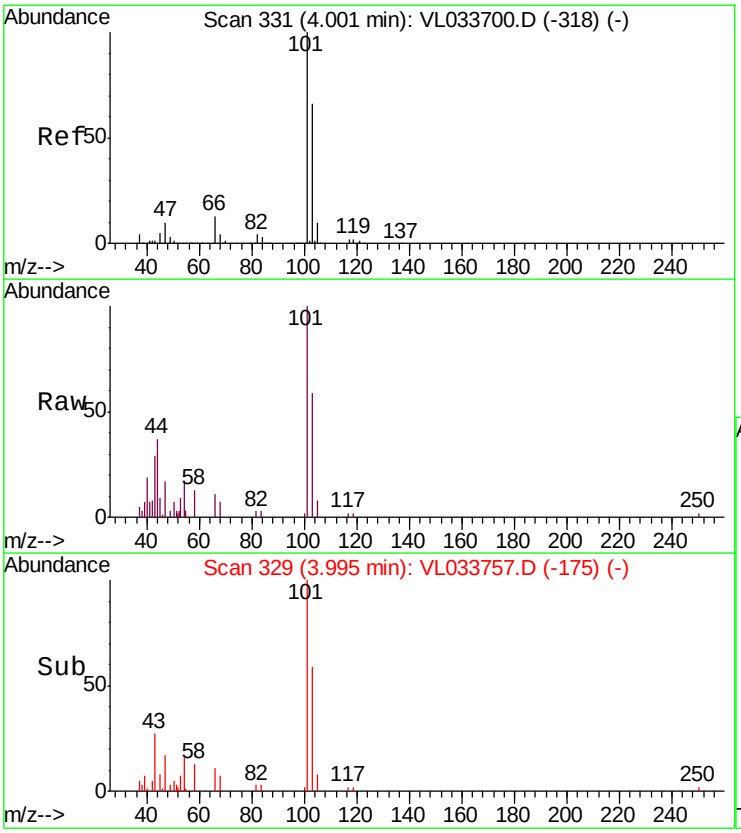
#10
Heptane
Concen: 0.082 ppbv
RT: 8.24 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 43 Resp: 11280

Ion	Ratio	Lower	Upper
43	100		
57	111.4	41.4	62.0#

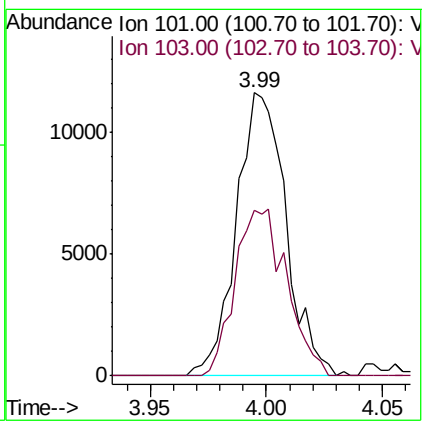


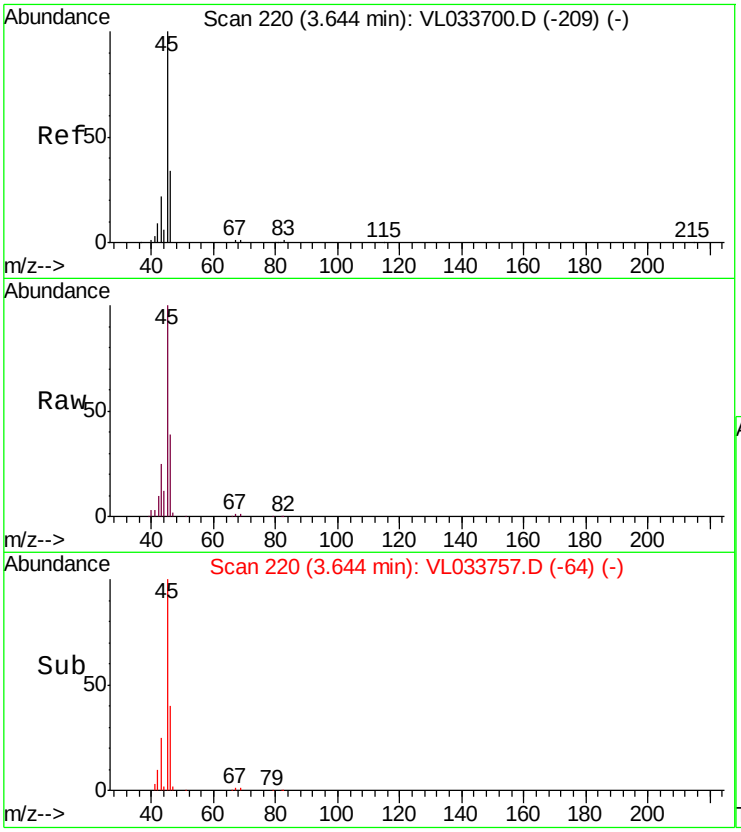


#11
Trichlorofluoromethane
Concen: 0.086 ppbv
RT: 3.99 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion:101 Resp: 17232

Ion	Ratio	Lower	Upper
101	100		
103	58.5	52.6	78.8



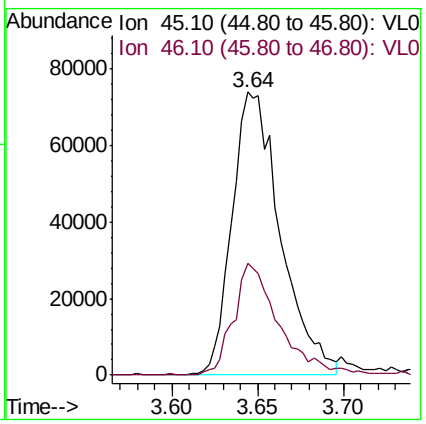


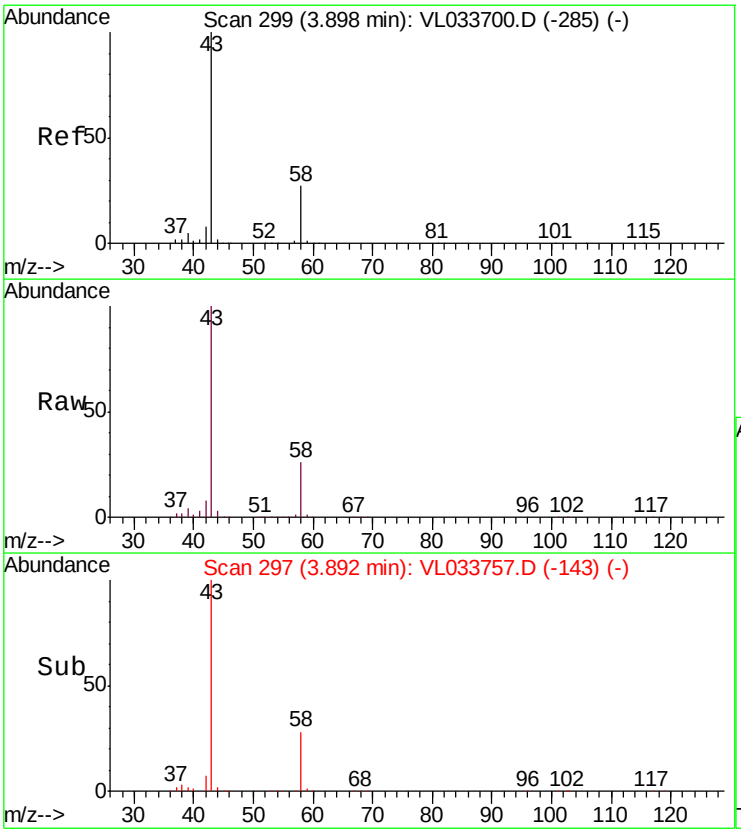
#13
Ethanol
Concen: 9.219 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 45 Resp: 144996

Ion	Ratio	Lower	Upper
45	100		
46	38.1	14.8	59.0

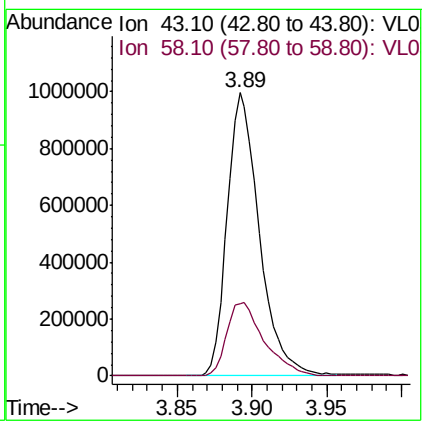


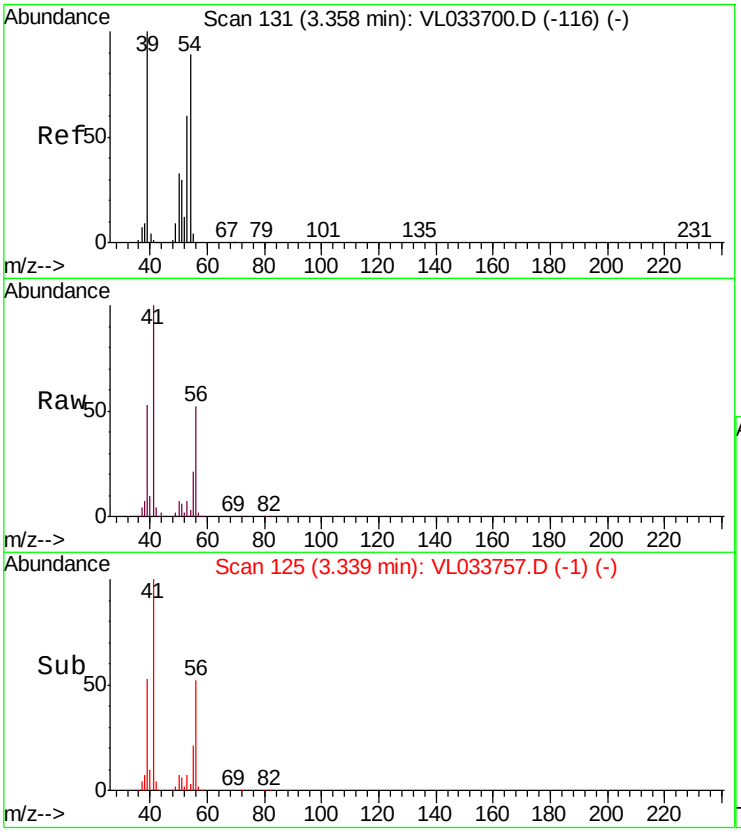


#15
Acetone
Concen: 10.770 ppbv
RT: 3.89 min Scan# 297
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 43 Resp: 1492514

Ion	Ratio	Lower	Upper
43	100		
58	30.5	21.3	31.9



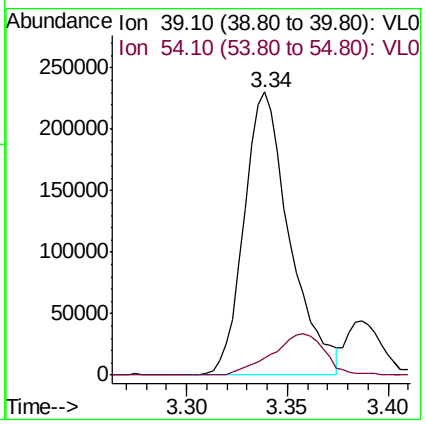


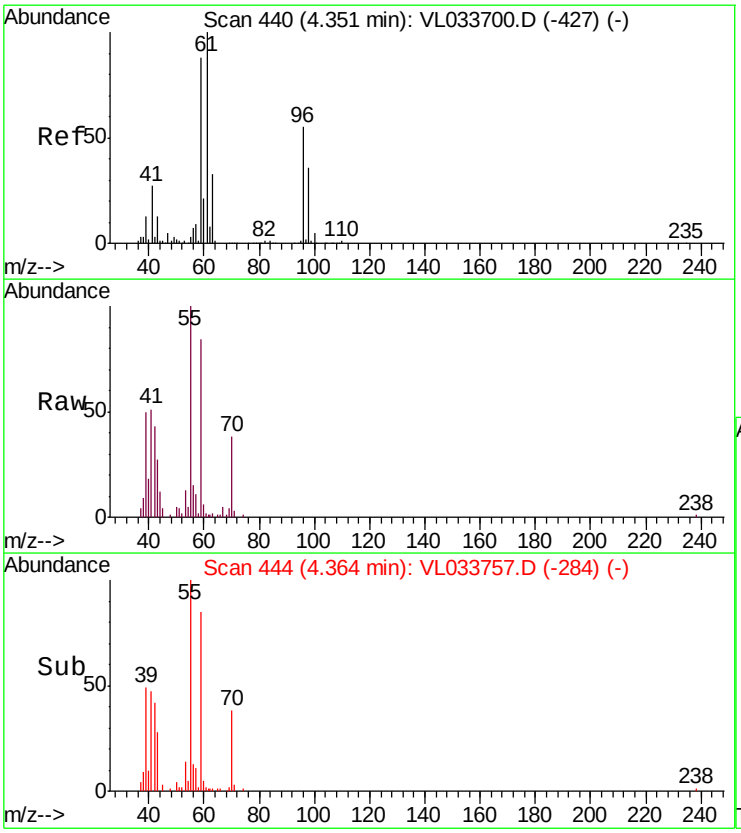
#16
1,3-Butadiene
Concen: 6.631 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 39 Resp: 365938

Ion	Ratio	Lower	Upper
39	100		
54	16.9	69.0	103.6#

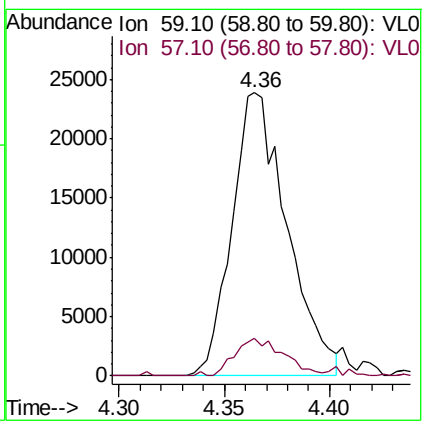


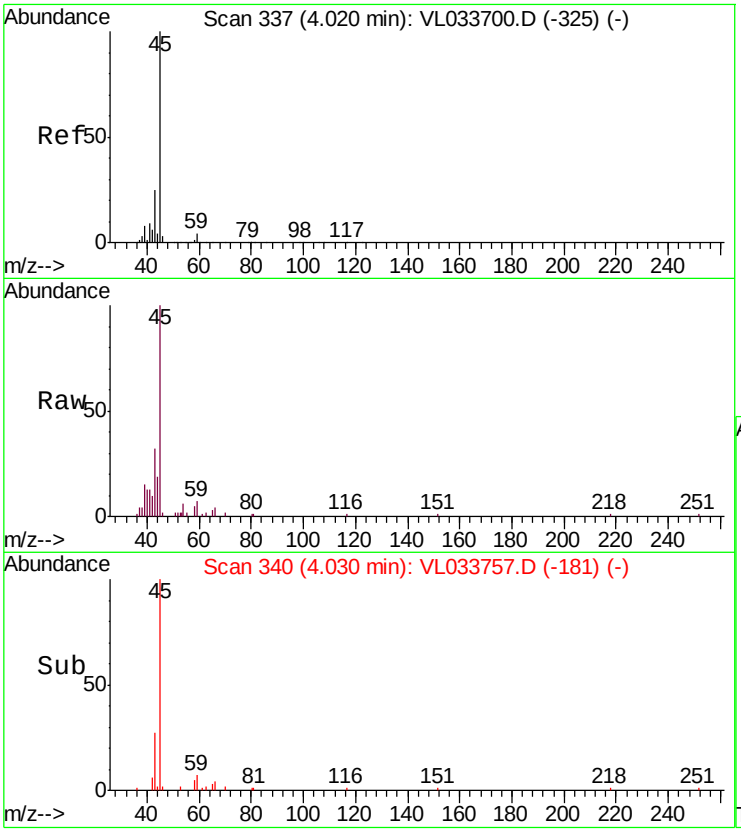


#17
tert-Butyl alcohol
Concen: 0.386 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 59 Resp: 43271

Ion	Ratio	Lower	Upper
59	100		
57	12.9	8.4	12.6#



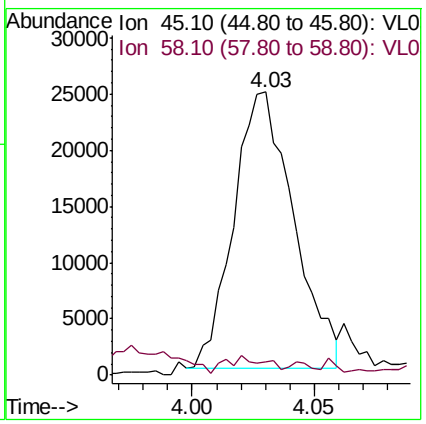


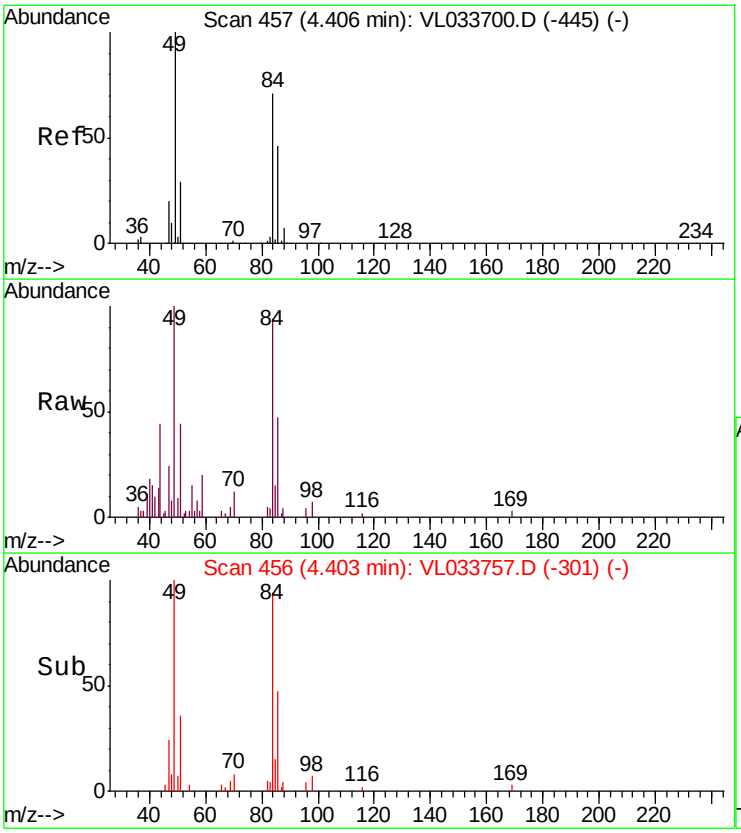
#19
Isopropyl Alcohol
Concen: 0.467 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 45 Resp: 41694

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.6	2.4#

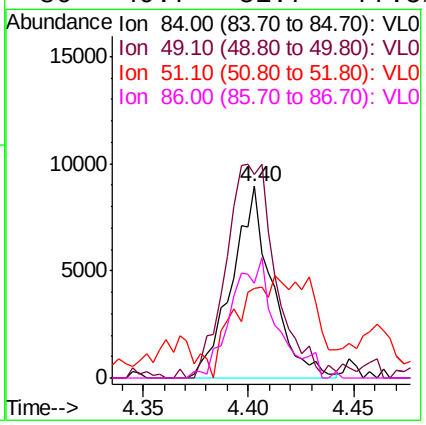


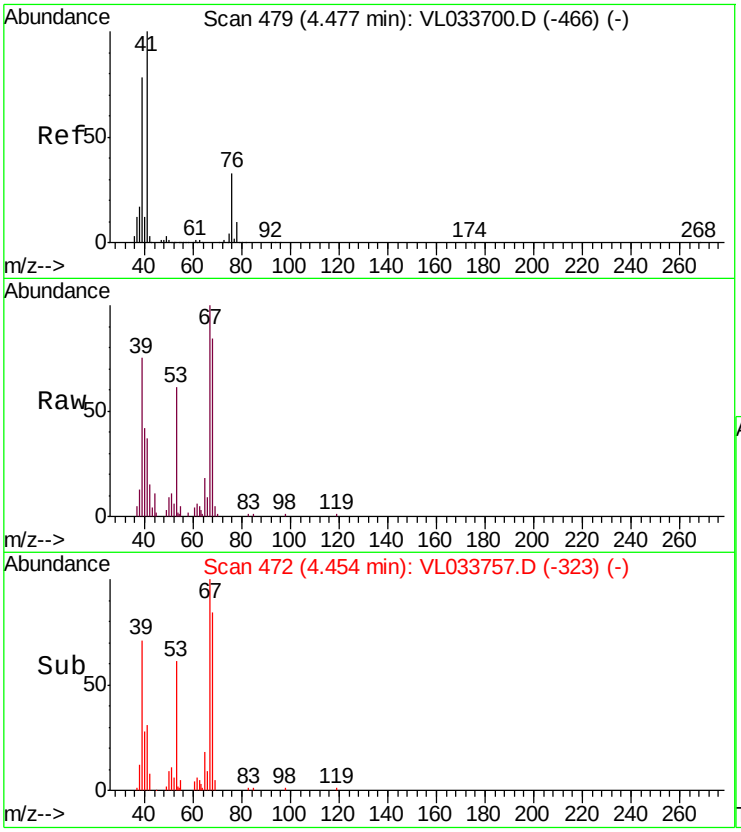


#20
Methylene Chloride
Concen: 0.223 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 84 Resp: 11884

Ion	Ratio	Lower	Upper
84	100		
49	106.1	112.8	169.2#
51	32.4	33.4	50.0#
86	49.7	51.7	77.5#



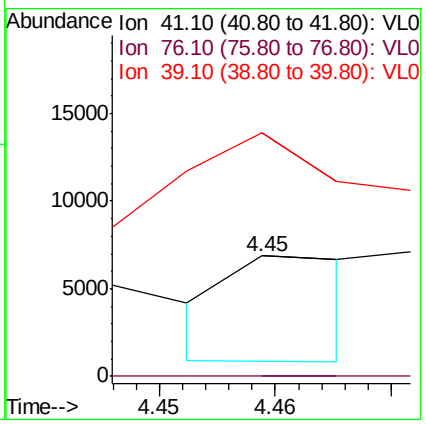


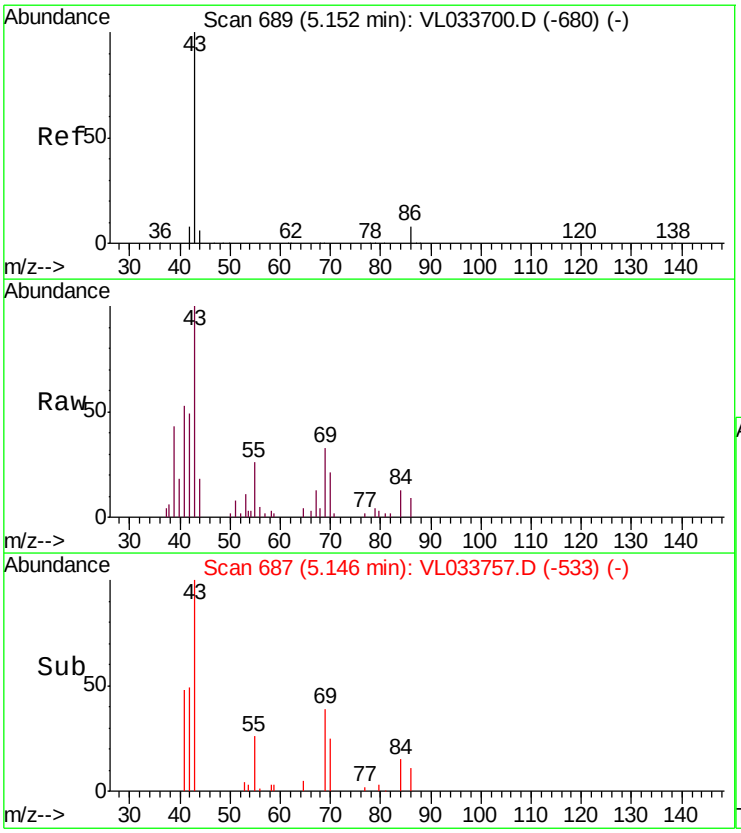
#21
Allyl Chloride
Concen: 0.026 ppbv
RT: 4.45 min Scan# 472
Delta R.T. -0.02 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 41 Resp: 2283

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.9	38.9#
39	1192.6	64.6	97.0#

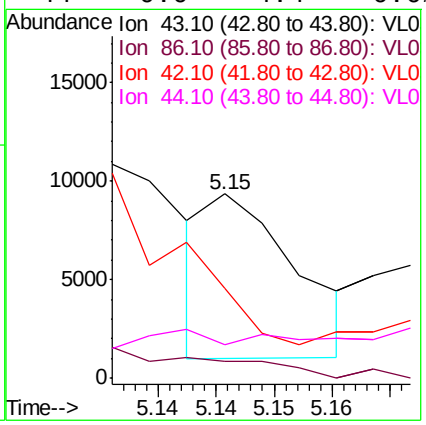


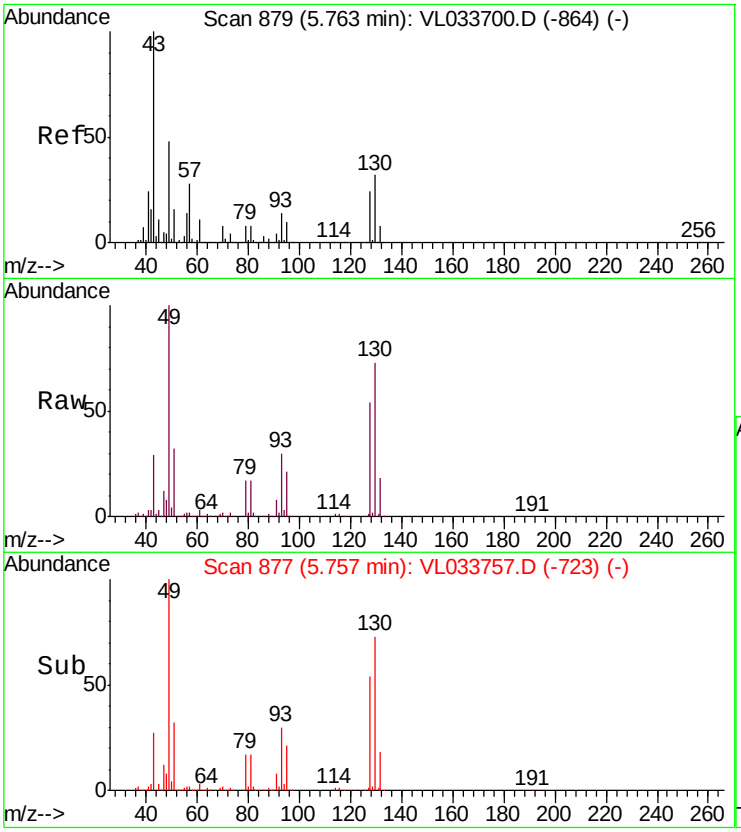


#23
Vinyl Acetate
Concen: 0.024 ppbv
RT: 5.15 min Scan# 687
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 43 Resp: 4383

Ion	Ratio	Lower	Upper
43	100		
86	17.1	6.0	9.0#
42	45.2	7.5	11.3#
44	0.0	4.4	6.6#



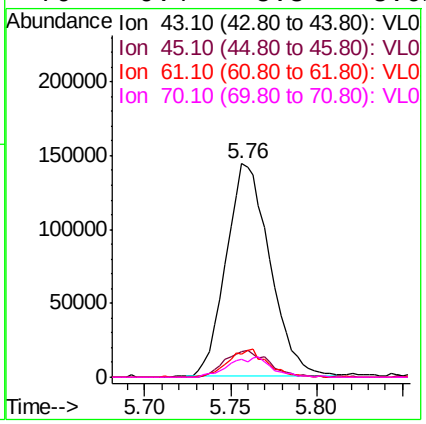


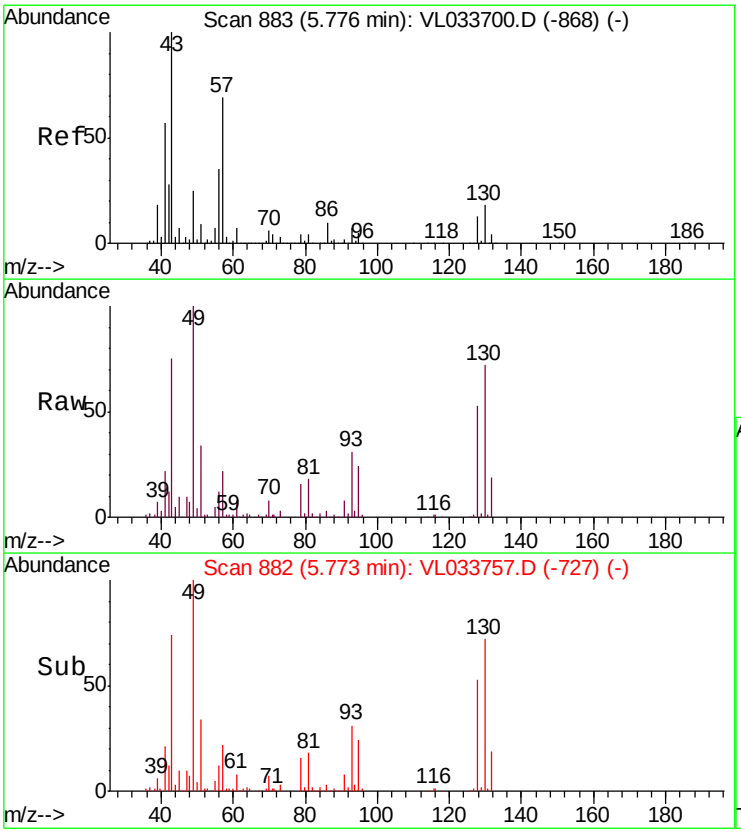
#25
Ethyl Acetate
Concen: 1.050 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 43 Resp: 255698

Ion	Ratio	Lower	Upper
43	100		
45	13.0	7.9	11.9#
61	11.9	7.7	11.5#
70	9.4	5.8	8.6#

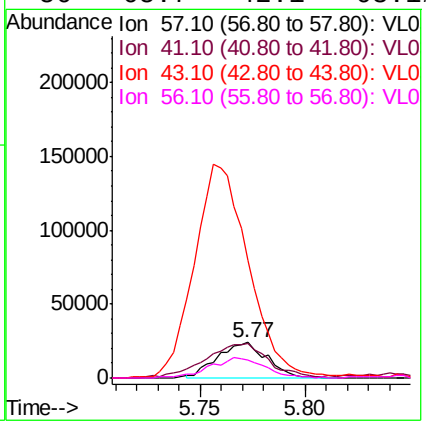


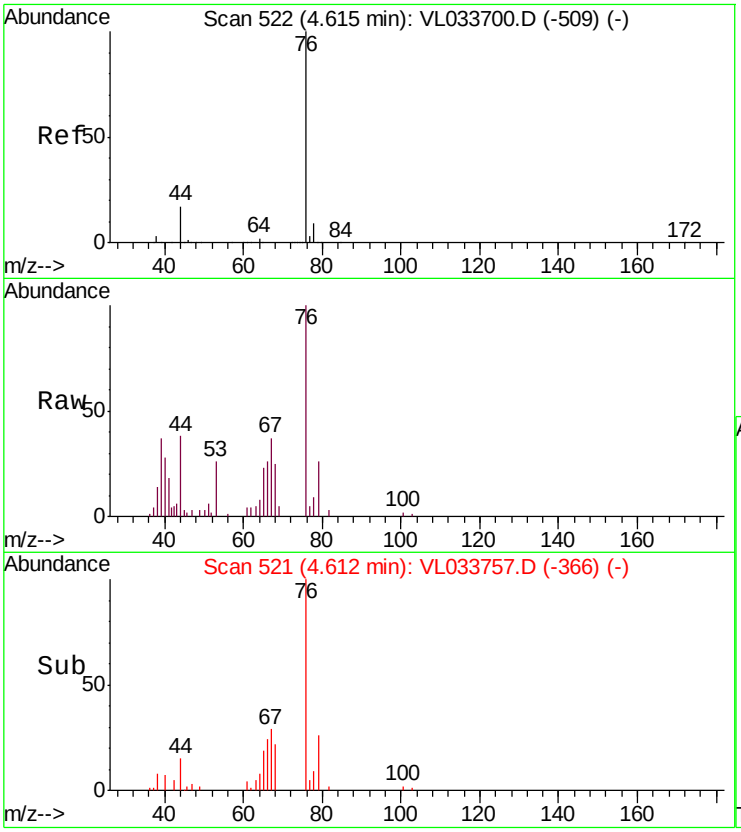


#26
Hexane
Concen: 0.372 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 57 Resp: 38969

Ion	Ratio	Lower	Upper
57	100		
41	122.2	69.8	104.6#
43	662.9	181.8	272.6#
56	65.7	42.1	63.1#



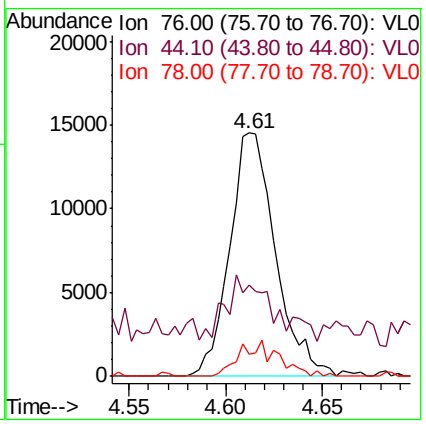


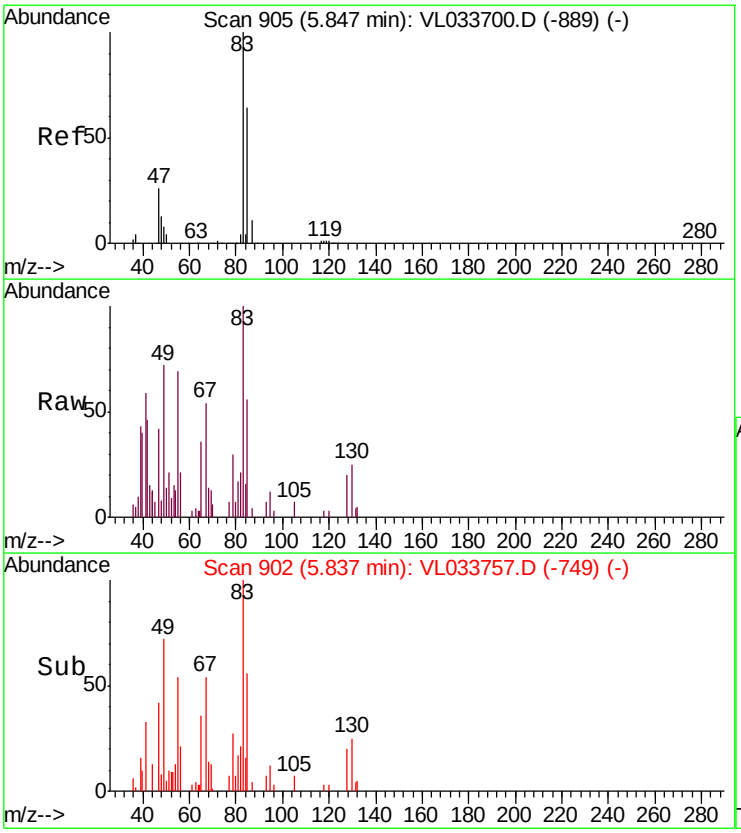
#27
Carbon Disulfide
Concen: 0.167 ppbv
RT: 4.61 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 76 Resp: 23949

Ion	Ratio	Lower	Upper
76	100		
44	31.7	13.8	20.8#
78	12.7	7.4	11.0#

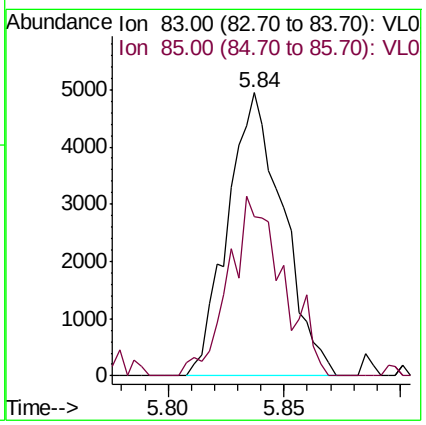


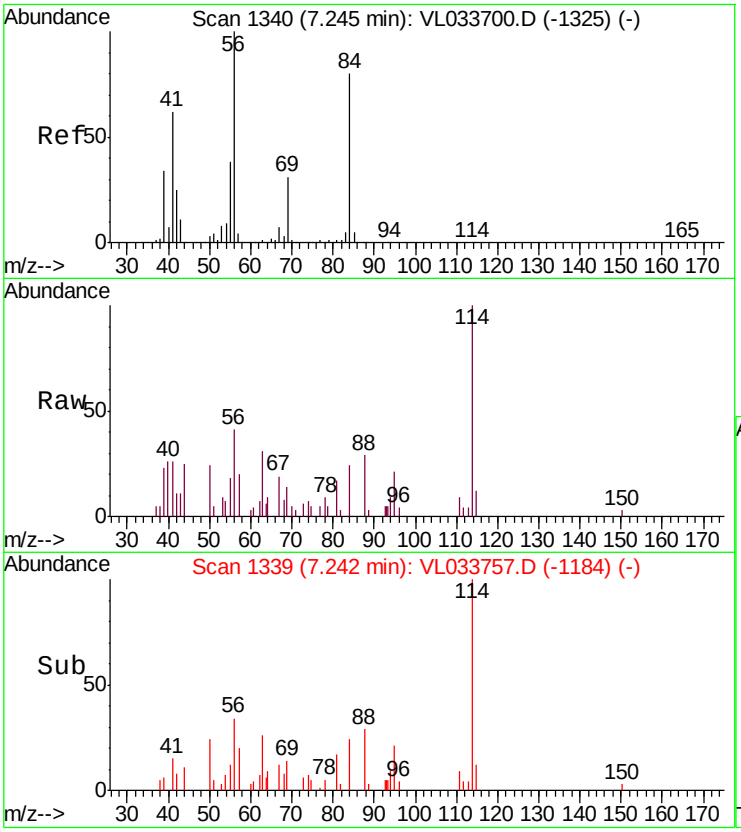


#29
Chloroform
Concen: 0.042 ppbv
RT: 5.84 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 83 Resp: 8179

Ion	Ratio	Lower	Upper
83	100		
85	56.0	51.5	77.3



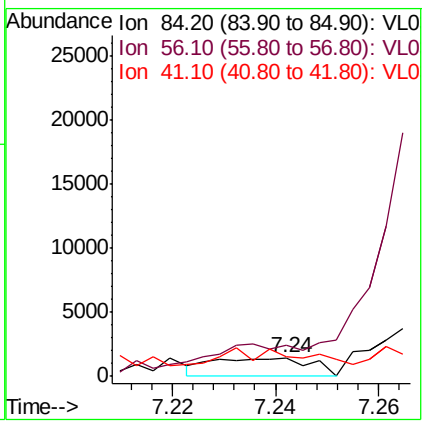


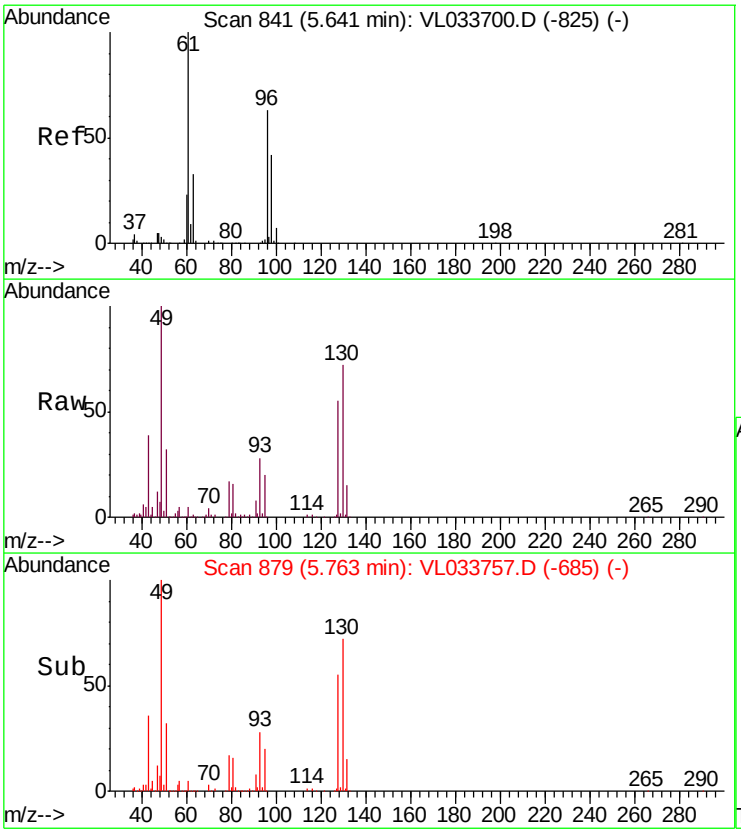
#30
Cyclohexane
Concen: 0.021 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 84 Resp: 1890

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	0.0	66.0	99.0#

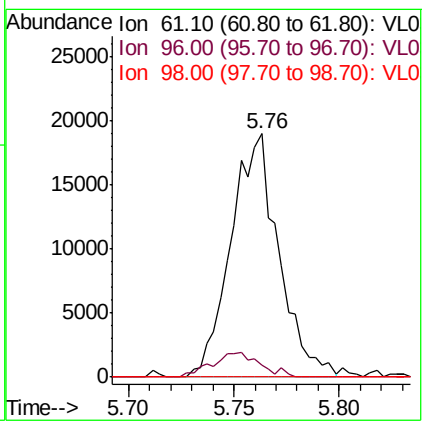


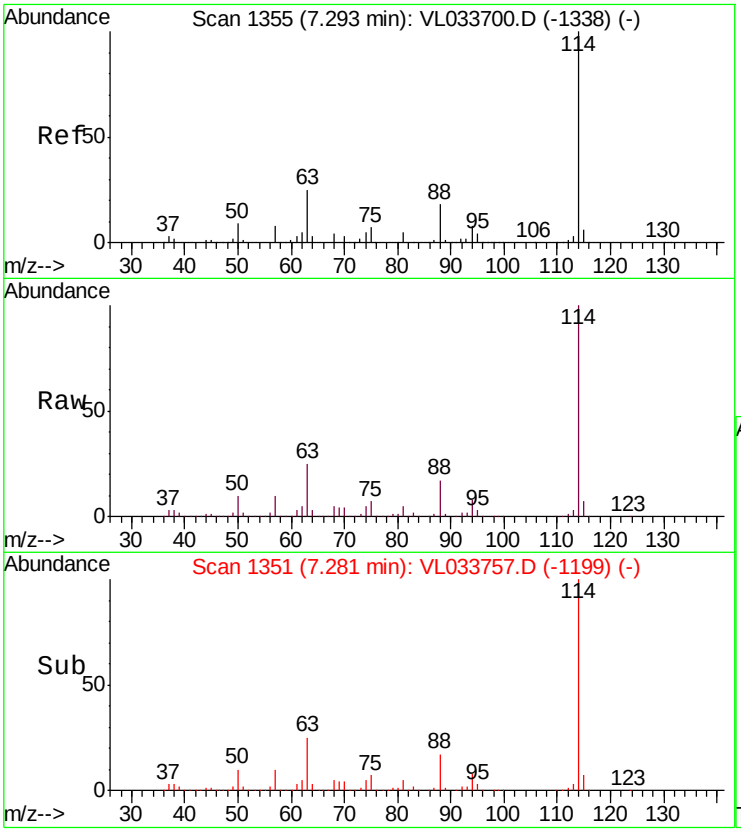


#31
cis-1,2-Dichloroethene
Concen: 0.288 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.12 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 61 Resp: 29901

Ion	Ratio	Lower	Upper
61	100		
96	5.1	50.8	76.2#
98	0.0	33.3	49.9#



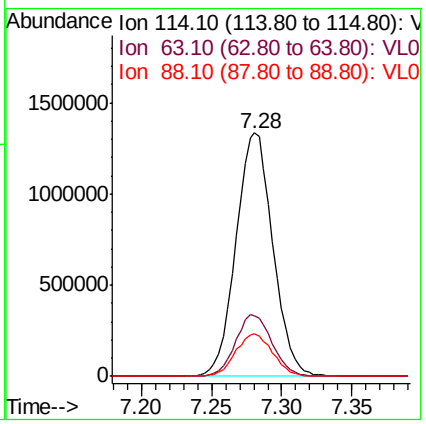


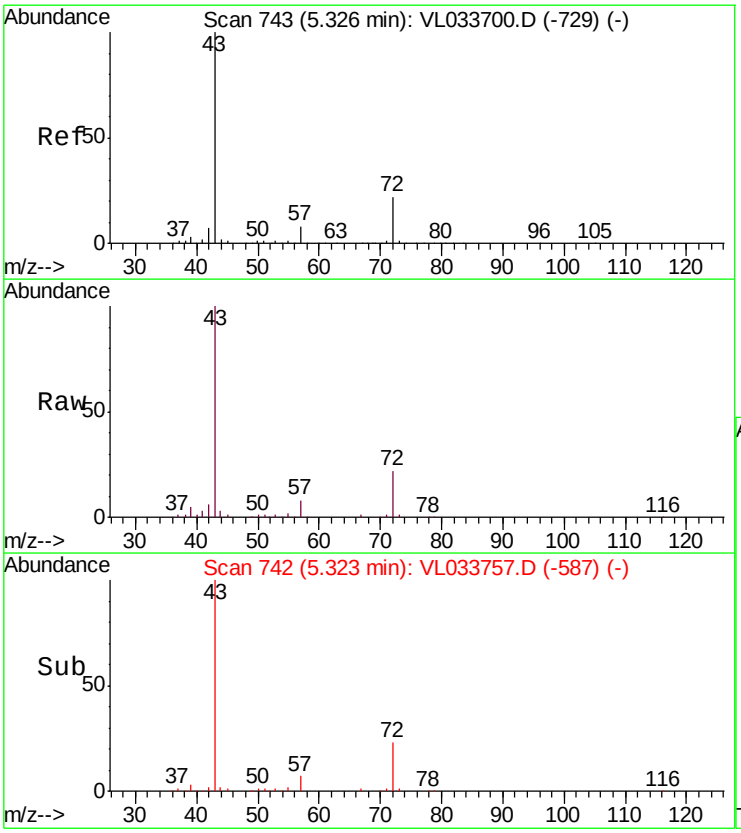
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion:114 Resp: 2442826

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.9	31.3
88	17.6	14.3	21.5

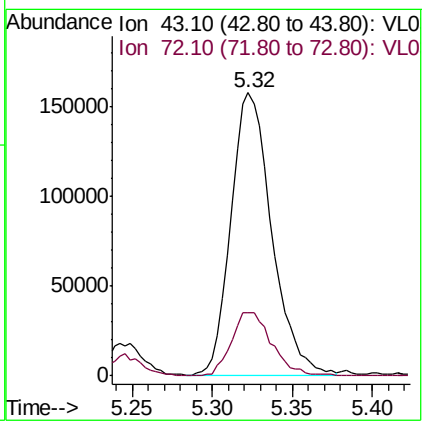


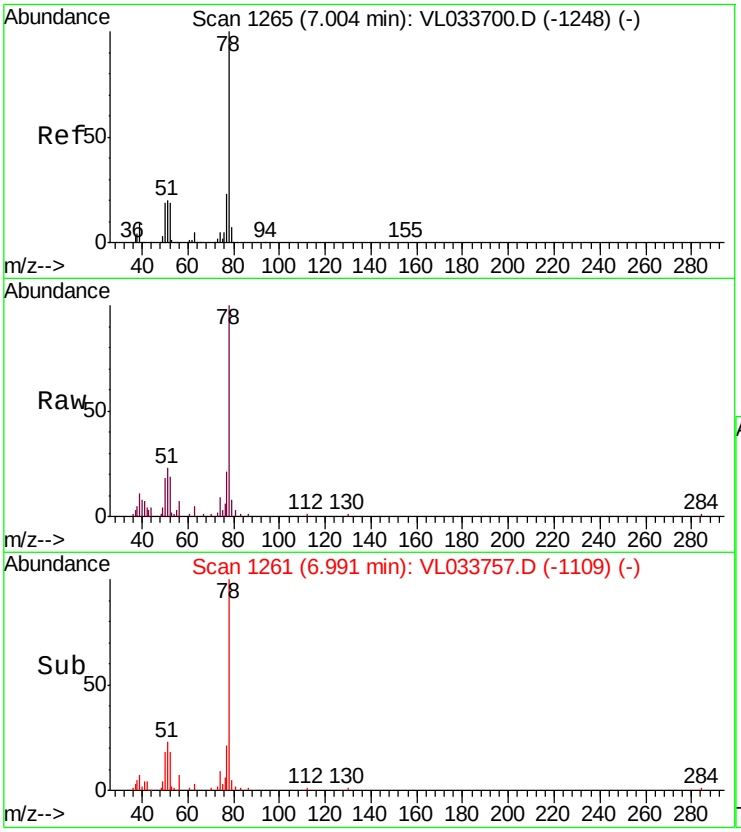


#34
2-Butanone
Concen: 1.796 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 43 Resp: 271962

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.8	26.6



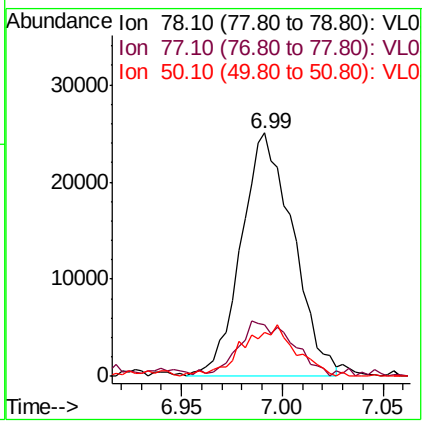


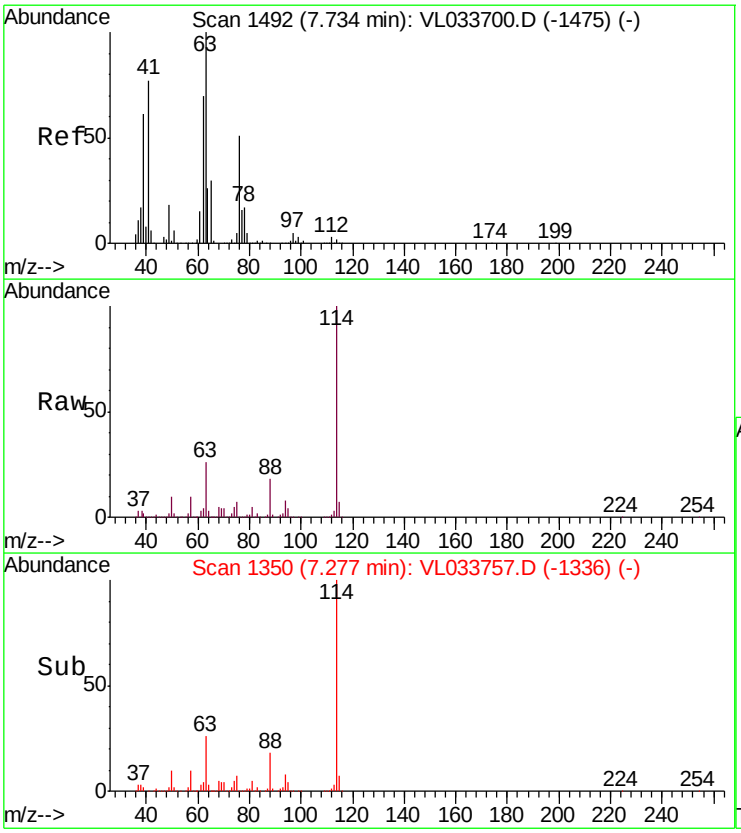
#36
Benzene
Concen: 0.203 ppbv
RT: 6.99 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 78 Resp: 45057

Ion	Ratio	Lower	Upper
78	100		
77	19.6	18.4	27.6
50	17.9	15.5	23.3

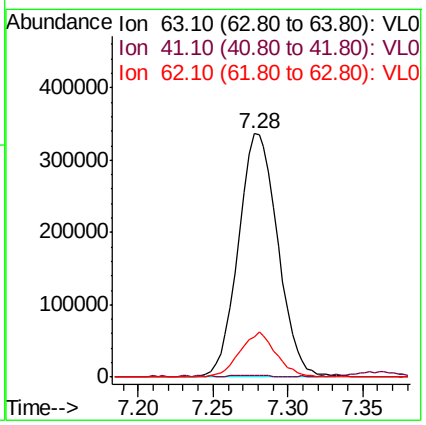


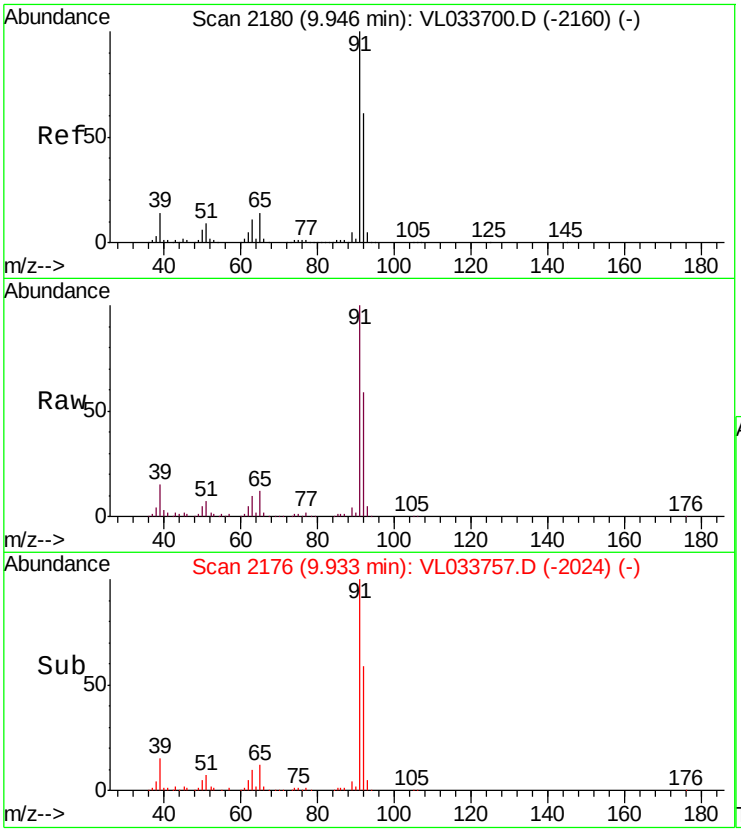


#39
1,2-Dichloropropane
Concen: 7.465 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.46 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 63 Resp: 618417

Ion	Ratio	Lower	Upper
63	100		
41	0.2	61.5	92.3#
62	16.4	56.2	84.4#



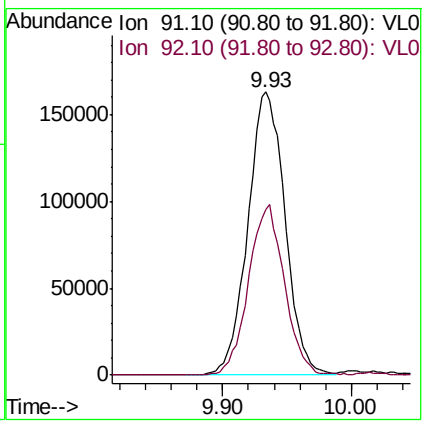


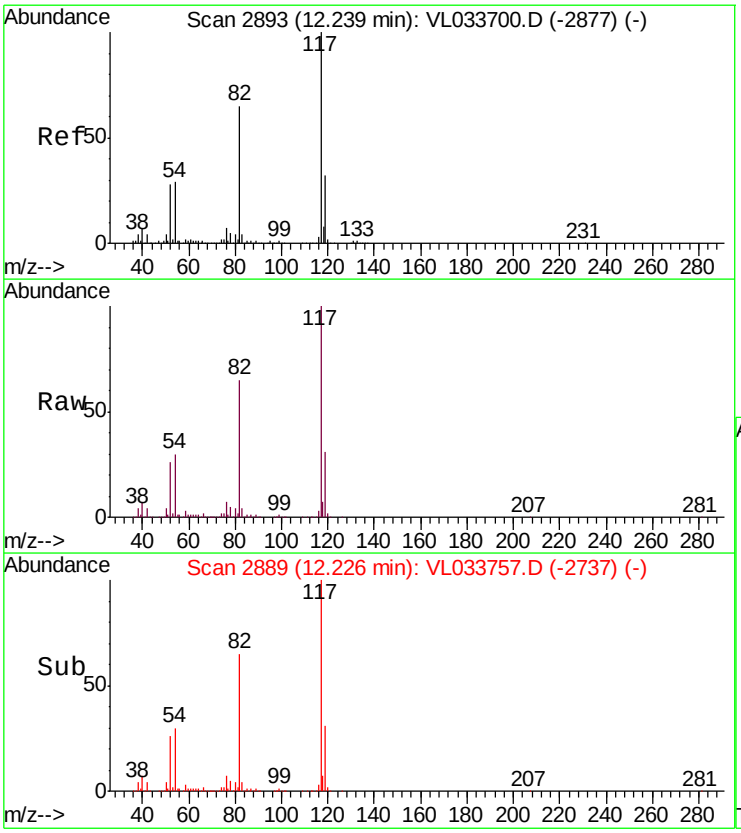
#53
Toluene
Concen: 1.367 ppbv
RT: 9.93 min Scan# 2176
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 91 Resp: 327668

Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.6	71.4

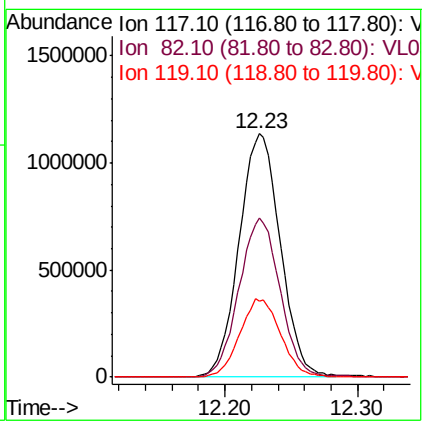


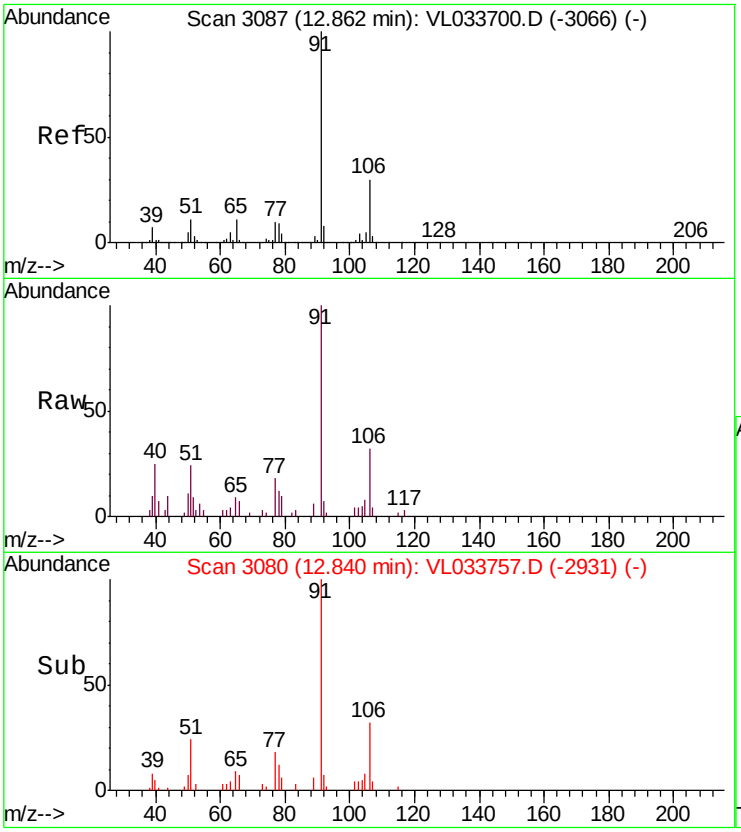


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2889
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion:117 Resp: 2452240

Ion	Ratio	Lower	Upper
117	100		
82	65.2	49.4	74.0
119	32.1	24.9	37.3



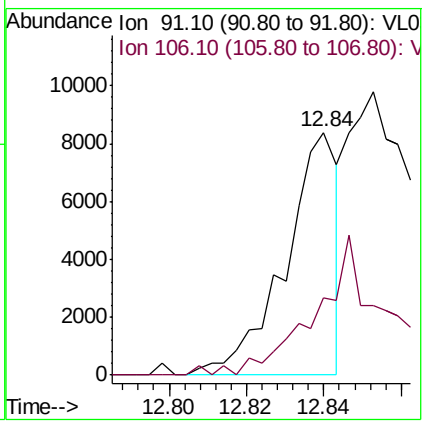


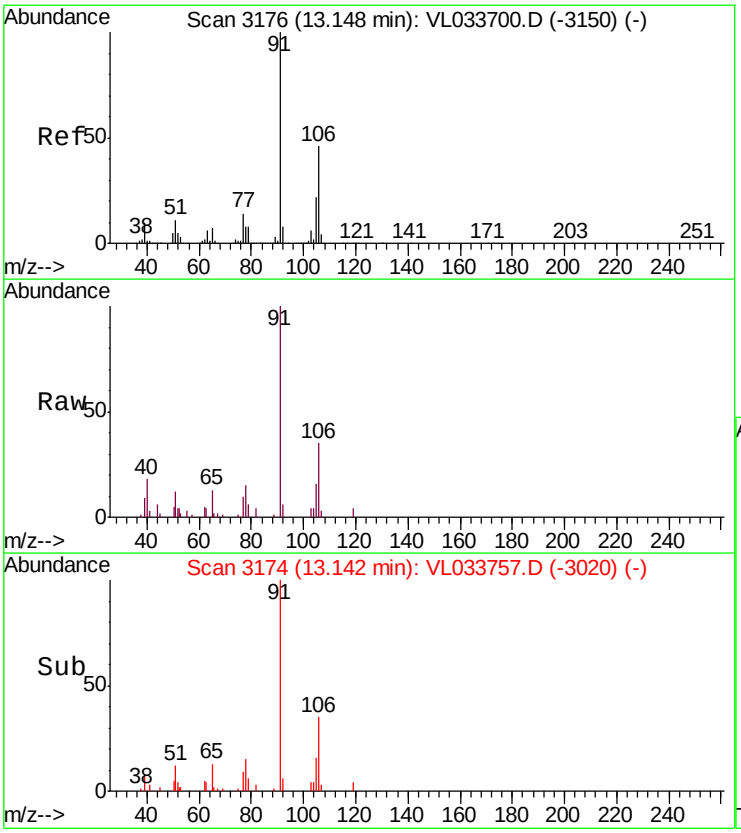
#58
Ethyl Benzene
Concen: 0.024 ppbv
RT: 12.84 min Scan# 3080
Delta R.T. -0.02 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 91 Resp: 7918

Ion	Ratio	Lower	Upper
91	100		
106	32.0	23.9	35.9

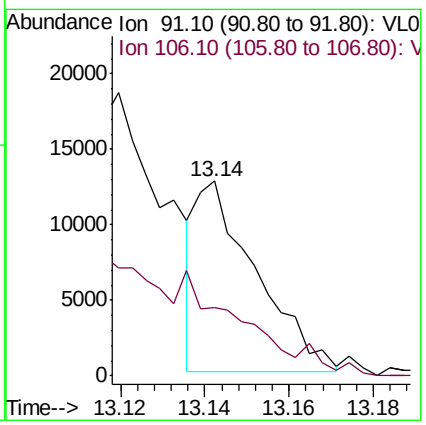


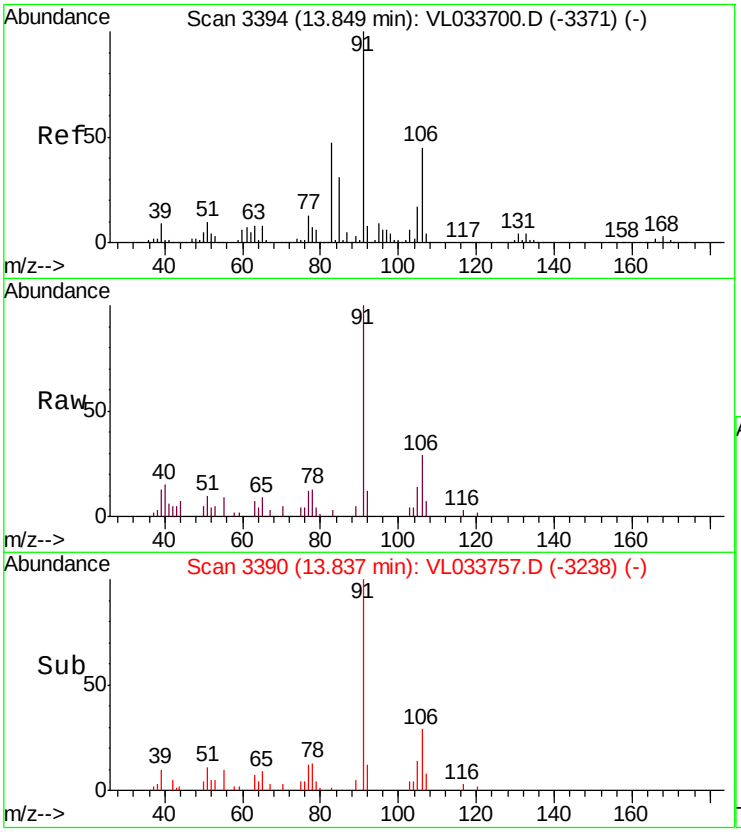


#59
m/p-Xylene
Concen: 0.044 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 91 Resp: 12447

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.6#



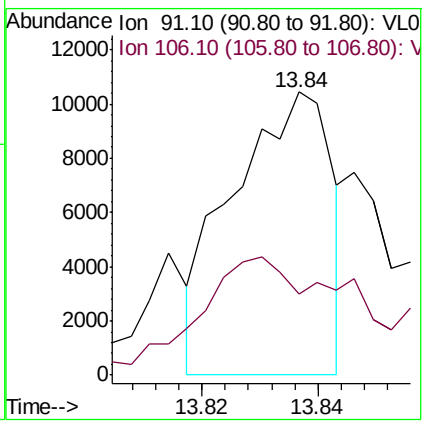


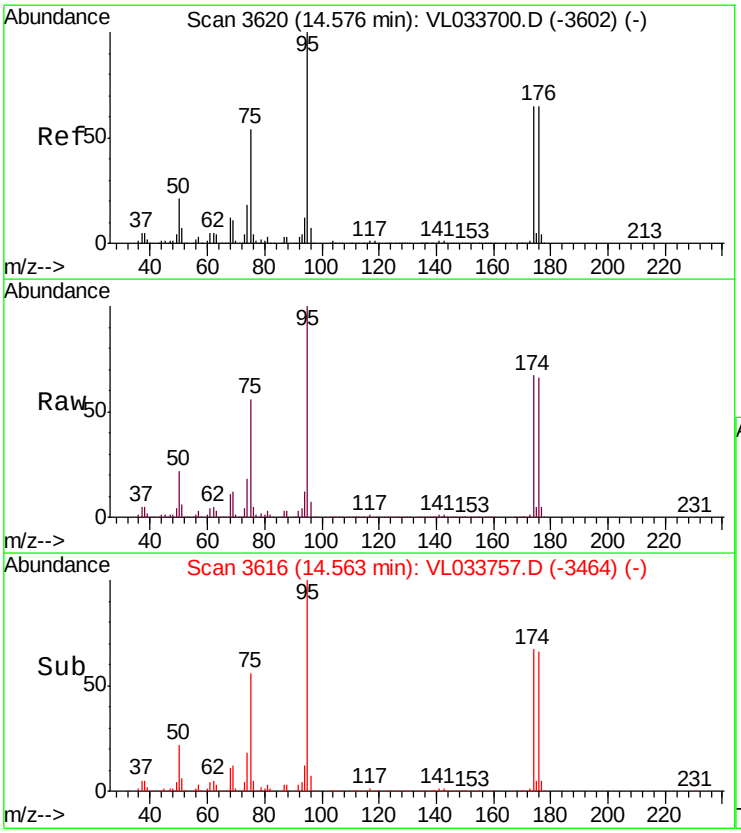
#60
o-Xylene
Concen: 0.043 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion: 91 Resp: 12429

Ion	Ratio	Lower	Upper
91	100		
106	75.1	21.6	64.8#

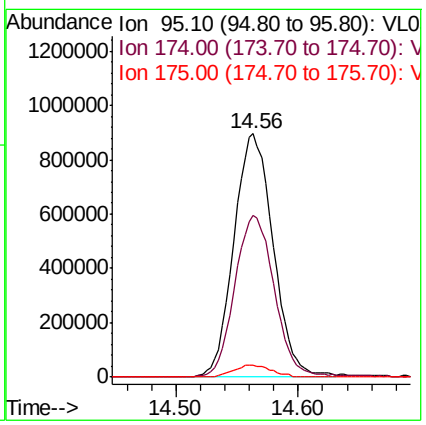


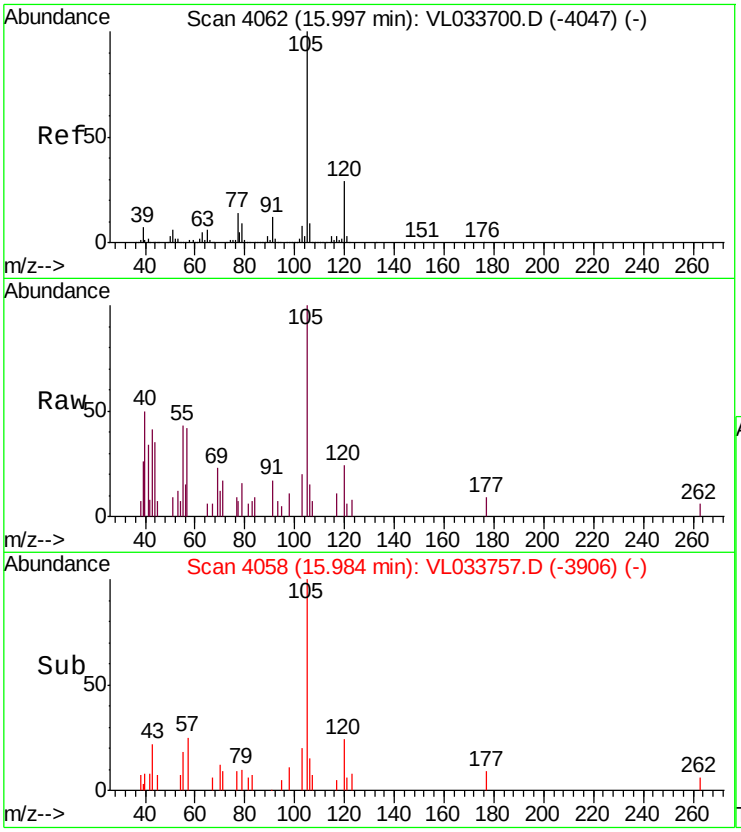


#68
1-Bromo-4-Fluorobenzene
Concen: 10.033 ppbv
RT: 14.56 min Scan# 3616
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion: 95 Resp: 1994592

Ion	Ratio	Lower	Upper
95	100		
174	67.7	53.9	80.9
175	4.9	3.8	5.8



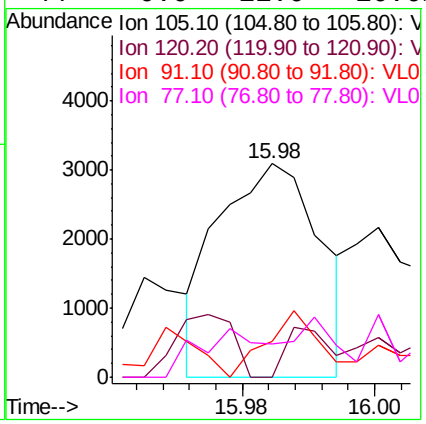


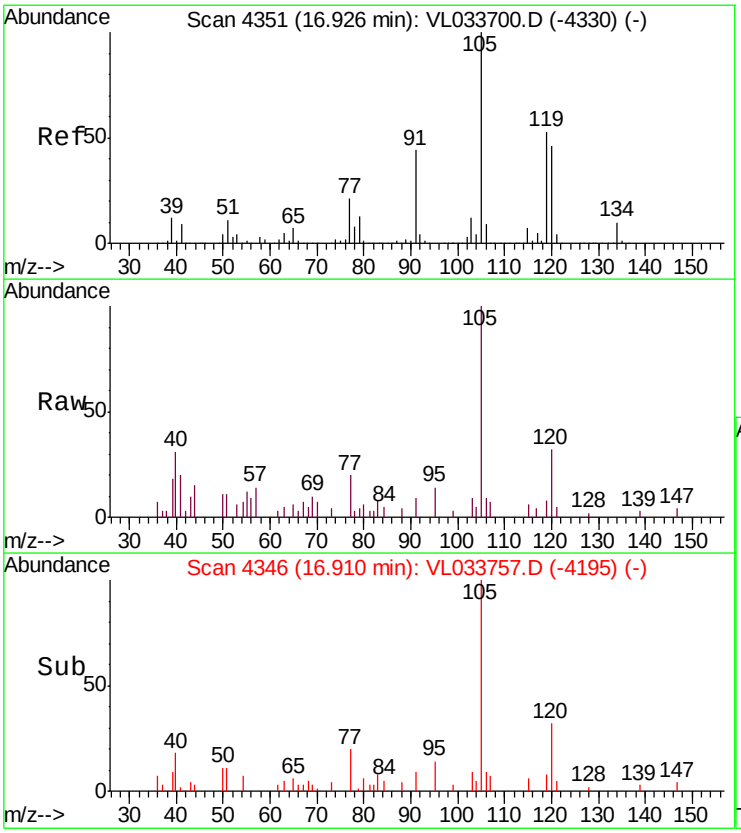
#72
4-Ethyltoluene
Concen: 0.010 ppbv
RT: 15.98 min Scan# 4058
Delta R.T. -0.01 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3005-55DL

Tgt Ion:105 Resp: 3302

Ion	Ratio	Lower	Upper
105	100		
120	23.2	23.1	34.7
91	39.7	10.4	15.6#
77	0.0	11.0	16.6#





#74
1,2,4-Trimethylbenzene
Concen: 0.011 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. -0.02 min
Lab File: VL033757.D
Acq: 22 May 2019 23:24

Tgt Ion:105 Resp: 3965

Ion	Ratio	Lower	Upper
105	100		
120	16.3	36.8	55.2#
91	0.0	35.4	53.0#
77	33.7	16.8	25.2#